

DOCKETED



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Paul D. Levie
P.O. Box 350
Chino Valley AZ 86323
(928)778-2600
pdl@leviegroupp.com

JAN 22 2014

RECEIVED

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2014 JAN 22 A 11:17

BEFORE THE ARIZONA CORPORATION COMMISSION

ORIGINAL

IN THE MATTER OF THE APPLICATION OF) DOCKET NO. W-02467A-09-0333
GRANITE MOUNTAIN WATER COMPANY, INC.)
FOR APPROVAL OF A RATE INCREASE.)

IN THE MATTER OF THE APPLICATION OF) DOCKET NO. W-02467A-09-0334
GRANITE MOUNTAIN WATER COMPANY, INC.)
FOR APPROVAL OF FINANCINGS.)

IN THE MATTER OF THE APPLICATION OF) DOCKET NO. W-02467A-10-0483
GRANITE MOUNTAIN WATER COMPANY, INC.)
FOR AUTHORITY TO INCUR LONG-TERM)
DEBT.)

RESPONSE TO PROCEDURAL ORDER

We recognize there have been extended delays in following through with the Commission decisions referred to in Note 1, page 1, of the Procedural Order. We believe however that the delays, cooperative action and conferences between Granite Mountain Water Company, GMWC the Corporate Commission, staff and engineering has greatly improved the company's ability to better serve its customers with adequate and improved infrastructure, water quality and storage to meet the company's needs far into the future.

First and foremost GMWC secured an additional well-site for future replacement of its grandfathered well #5(ADWR#55622083) with confirmation by ADWR of Granite Mountain Water Company's rights in connection with its

1 production wells, number 3 and number 4 (see action letter of ADWR dated June
2 11, and September 19, 2008, with respect to wells 3 and 4 and well information
3 Exhibit "1").
4

5 In reviewing the well log and testing results of the Short Spur well on the new
6 site we were able to determine the maximum well pumping capacity and quality of
7 water. It was determined that it meets all requirements, including fire flow
8 requirements.
9

10 The Short Spur well located on a parcel of land containing +/- 1.46 acres of
11 land with irrigated pasture and horsemen's tack rooms and such facilities has been
12 irrigated as pasture with its exempt well water up to 35gpm which now has a tested
13 production of up to 70gpm for 2 hours.
14

15 GMWC is in the process of working with ADWR to convert well #6 to a
16 production non-exempt well and determine the maximum pumping capacity.
17 GMWC was denied by ADWR the request to increase the permitted Maximum
18 Annual Volume to 70gpm (Exhibit "2").
19

20 GMWC has filed a new application to convert well #6 to a non-exempt
21 production well pumping a maximum of 35gpm (Exhibit "3"). According to
22 engineering plans and calculations prepared by our engineers, BC Engineering and
23 Tim Robins Engineering 35gpm is adequate not only to make fire requirements but
24 also immediate expansion needs for the foreseeable future (see calculations by
25 engineer Exhibit "4").

1
2 When GMWC receives approval from ADWR, GMWC will file the results
3 with the Commission's Docket Control Center.
4

5 Granite Mountain Water Company does not have funds sufficient from the
6 approved WIFA Loan to drill the new replacement well, provide the new 50,000
7 gallon tank and the infrastructure to connect the two sites.
8

9 Granite Mountain Water Company's action in acquiring the new Short Spur
10 well property and future replacement well-site within 660' of the Grandfathered well
11 as required by law was presented as a proposal and ostensibly Corporate
12 Commission and Staff approval before the purchase of the property.
13

14 Granite Mountain Water Company's objective to protect the water quality of
15 Granite Mountain Water Company supply from possible Nitrogen contamination
16 because of the closeness of wells #3 and #4 to Granite Mountain Stables was
17 achieved as well as its objective of attaining a greater distance from wells #3 and #4
18 and the new Short Spur well and also the future replacement well to be drilled in the
19 future (Exhibit "5"). The Short Spur well is 739' hundred feet from well #3, and
20 792' hundred feet from well #4. Wells 3 & 4, are only 633' feet from each other,
21 and well #3 would have been only 332' feet from the 1" well-site selected and well #4
22 would have been only 249' feet from the 1" well-site selected on Daniel Paul Levies
23 property. The greater distance from wells 3 and 4 makes the Short Spur location a
24 much better option for GMWC to meet its needs and also meet the requirements
25 ordered by the Commission.

1
2 Some how in obtaining the ATC from ADEQ for the waterline from well #6
3 to our existing water main the well ID numbers got switched to the Grandfathered
4 well #5. GMWC is working with ADEQ to fix the mistake and will file the corrected
5 ATC with the right well ID number with the Commissions Docket Control Center.
6

7 During the delays, negotiations, foreclosure and purchase of the Short Spur
8 property, GMWC dutifully, and without failure provided water to all its customers
9 in Granite Mountain Estates, its extended CC&N area in Equestrian Estates, in
10 Granite Park Ranch and in surrounding areas where homes are being built (See
11 color coded map of area of 425+ lots and parcels 700+ Acres). Where GMWC
12 serves water customers (Exhibit "6").
13

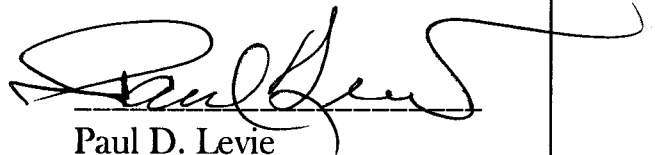
14 The plans of GMWC have not changed as set forth in summary letter dated
15 July 31, 2013 attached to the Amended Petition.
16

17 GMWC has the site tank fenced, landscaped and leveled ready for the
18 additional 50,000 gallon tank on the hill 334' feet higher than the wells beside the
19 other two existing tanks. The approval to construct that was issued on July 27, 2011
20 has not expired (Exhibit "7").
21

22 In decision 72377 (May 27, 2011), issued in docket W-02467A-0483, the
23 Commission granted approval for financing for GMWC to incur long-term debt in
24 the amount of \$181,320. We have loan approval from WIFA providing sufficient
25 funds to complete the improvements approved by staff and by the company and

1 need only final written authority from the Corporation Commission, in order to
2 obtain the loan.
3
4
5
6

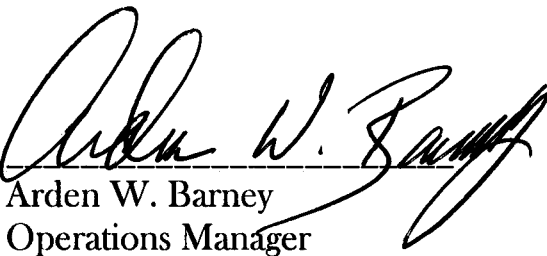
7 RESPECTFULLY SUBMITTED this 21st day of January, 2014

8
9 

10 Paul D. Levie
11 Attorney for Granite Mountain
Water Company, Inc.

12 Original and 13 copies filed on
The 21st day of Jan, 2014, with:

13 Docket Control
14 Arizona Corporation Commission
15 1200 West Washington
16 Phoenix, AZ 85007

17 
18 Arden W. Barney
19 Operations Manager
20
21
22
23
24
25

56-003024.0000 #3

ARIZONA DEPARTMENT OF WATER RESOURCES

3550 North Central Avenue, Phoenix, Arizona 85012

Telephone 602 771-8500

Fax 602 771-8688



Janet Napolitano
Governor

Herbert R. Guenther
Director

September 19, 2008

Granite Mountain Water Co.
Attn: Craig Garvin
2465 W. Shane Drive
Prescott, AZ. 86305

RE: Non-Exempt Well Permit No. S-217588
Well Registration No. 55-511771; File No. B (15-2) 30 CDA

Dear Mr. Garvin:

Your permit for the conversion of the above-referenced well is enclosed. The authority to increase the permitted annual volume of this well is granted on the condition that all applicable provisions of the Groundwater Code are met.

Pursuant to the provisions of A.R.S. § 45-604, any person withdrawing groundwater from a well is required to use a water measuring device to record rates of withdrawal in order to provide or allow the computation of an annual volume of pumpage from the well. The total volume of pumpage from the well shall be reported on your Annual Water Withdrawal and Use Report for this calendar year.

The Department has issued the authorization to convert and operate this well pursuant to A.R.S. §§ 45-598 and 45-599 of the Groundwater Code. The legal nature of the water withdrawn from the well may be the subject of court action in the future as part of a determination of surface water rights in your area. If there are court proceedings that could affect your well, you will be notified and be given the opportunity to participate.

Under A.R.S. § 45-593, the person to whom a well is registered must notify the Department of a change in ownership, physical characteristics or any other data about the well in order to keep the well registration records current and accurate. For future changes, *Request to Change Well Information* forms are enclosed.

Your permit has been issued by this Department without a hearing. As such, it is an appealable agency action. You are entitled to appeal and your rights are described in the enclosed notice of right to appeal.



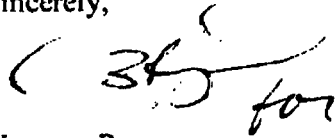
Printed on recycled

saves 7,000 gallons of water.

EXHIBIT "1"

If you have any questions about your permit, please call Jack McCormack of the Prescott AMA office at (928) 778-7202.

Sincerely,

A handwritten signature in black ink, appearing to read "Vanessa Reyes" with a stylized flourish at the end.

Vanessa Reyes
Water Resources Specialist

Enclosures

cc: Jack McCormack, Prescott AMA
File



Printed on recycled paper. Each ton of recycled paper saves 7,000 gallons of water.



ARIZONA DEPARTMENT OF WATER RESOURCES

NON-EXEMPT WELL PERMIT

PURSUANT TO A.R.S. §§ 45-598 AND 45-599

PERMIT NO. S-217588

STATE OF ARIZONA)
) ss.
COUNTY OF MARICOPA)

This is to certify that Application No. S-217588 meets the requirements of A.R.S. §§ 45-598 and 45-599 for the conversion and operation of an existing well. The Director hereby grants authority to the Permittee to operate a non-exempt well; subject to the following limitations and conditions:

Permit Limitations

Permittee: Granit Mountain Water Co.
 2465 W. Shane Drive
 Prescott, Az. 86305

Well Registration Number: 55-511771 No. B (15-2) 30 CDA

Active Management Area: Prescott

Subbasin: Little Chino

Well Location: THE NE ¼ OF THE SE ¼ OF THE SW ¼ OF SECTION 30,
 TOWNSHIP 15 NORTH AND 2 WEST OF THE GSRB&M

PERMIT NO. S-217588

Depth: 362 ft.
Casing Material: Steel
Casing Diameter: 8 inches

#3

Maximum Pumping Capacity: 65 gallons per minute

Maximum Annual Volume: 40 acre-feet

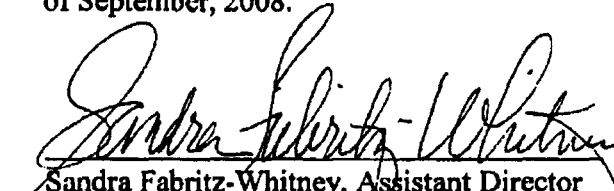
Authorized Place of Use for
Groundwater Withdrawn: As Authorized by Water Provider Right No. 56-003024.0000

Authorized Use of Groundwater: As Authorized by Water Provider Right No. 56-003024.0000

Permit Conditions

1. This permit is issued pursuant to A.R.S. § 45-599 and authorizes the permittee to withdraw groundwater for the use or uses set forth in the permit. This permit does not authorize the permittee to withdraw surface water from the well. If the permittee withdraws surface water from the well in any year, the permittee shall do so only pursuant to a decreed or appropriative surface water right and shall separately report in the annual report filed pursuant to A.R.S. § 45-632 the amount of groundwater and surface water withdrawn from the well.
2. The permittee shall monitor withdrawals of groundwater and shall report the total amount of groundwater withdrawn on an Annual Water Withdrawal and Use Report. The first annual reporting period shall be from the date of issuance of this permit through December 31, 2008, or the expiration date of this permit, whichever comes first.
3. The issuance of the permit does not waive any federal, state, county or local government ordinances, regulations or permits for which the facility may have to comply.

WITNESS my hand and seal of office this 19th day
of September, 2008.


Sandra Fabritz-Whitney, Assistant Director

IPR SUMMARY REVIEW MEMORANDUM

Prepared by Jack McCormack, Prescott AMA

September 18, 2008

APPLICANT: Granite Mountain Water Company
APPLICATION NO: S-217588
APPLICATION TYPE: Application for Enlargement of a Service Area Well

Background Summary: On June 12, 2008, Granite Mountain Water Company (GMWC) submitted an application to enlarge service area well No. 55-511771 from 10 to 80 AFA. The well is located in the NE, SE, SW of Sec. 30, T15N, and R2W. The claim to entitlement to withdraw groundwater is based upon Service Area Right No. 56-003024.0000. The well is located within Granite Mountain Water Company's service area and within 660 feet of their operating distribution lines.

The applicant initially requested a volume of 80 AFA that potentially would have impacted 26 wells. The applicant amended the application on September 8, 2008 by letter to 40 AFA.

The new design pump capacity of the well will be 65 GPM. The hydrologic study indicates that the ten-foot drawdown radius after five years will be approximately 19 feet. The calculated drawdown at the well is 15.21 feet for the five-year time period. No wells are impacted. Hydrology and Water Quality have no objections to the issuance of the permit.

Issues: None

AMA recommendations: The Prescott AMA recommends approval to enlarge service area well No. 55-511771 from 10 to 40 acre-feet per year at 65 GPM for Granite Mountain Water Company.

IPR Committee Comments:

IPR Committee Recommendations:

☒ Approved
☐ Denied
☐ Other (explanation) _____

IPR Chairperson

Date

LT
STAR

#4

ARIZONA DEPARTMENT OF WATER RESOURCES
WATER MANAGEMENT DIVISION
3550 North Central Avenue, Phoenix, Arizona 85012
Telephone 602 771-8500
Fax 602 771-8689



Janet Napolitano
Governor

Herbert R. Guenther
Director

June 11, 2008

Granite Mountain Water Company
Attn: Craig Garvin
2465 W. Shane Drive
Prescott, AZ 86305

RE: *Permit Correction:* Non-Exempt Well Permit No. S-216388
Well Registration No. 55-554078; File No. B (15-2) 30 ACB

Dear Mr. Garvin:

It has been brought to our attention that the well number listed on Non-Exempt Well Permit No. S-216388 is incorrect. The corrected permit is attached.

If you have any questions about the corrected permit, please call Jack McCormack of the Prescott AMA office at (928) 776-4507.

Sincerely,

A handwritten signature in cursive script that reads "Vanessa Reyes".

Vanessa Reyes
Water Resources Specialist

Enclosures

cc: Jack McCormack, ADWR Prescott AMA
Amy Levy, ADWR Prescott AMA
File

PERMIT NO. S-216388

#4

Depth: 500 ft.
Casing Material: Steel/PVC
Casing Diameter: 8/6 inches
Maximum Pumping Capacity: 125 gallons per minute
Maximum Annual Volume: 80.65 acre-feet
Authorized Place of Use for
Groundwater Withdrawn: As Authorized by Water Provider Right No. 56-003024.0000
Authorized Use of Groundwater: As Authorized by Water Provider Right No. 56-003024.0000
Latest Date for Completing Well: June 1, 2009

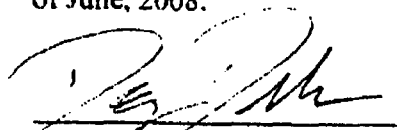
Permit Conditions

1. This permit is issued pursuant to A.R.S. § 45-599 and authorizes the permittee to withdraw groundwater for the purpose of withdrawing groundwater for the use or uses set forth in the permit. This permit does not authorize the permittee to withdraw surface water from the well. If the permittee withdraws surface water from the well in any year, the permittee shall do so only pursuant to a decreed or appropriative surface water right and shall separately report in the annual report filed pursuant to A.R.S. § 45-632 the amount of groundwater and surface water withdrawn from the well.
2. The permittee shall monitor withdrawals of groundwater and shall report the total amount of groundwater withdrawn on an Annual Water Withdrawal and Use Report. The first annual reporting period shall be from the date of issuance of this permit through December 31, 2008, or the expiration date of this permit, whichever comes first.

PERMIT NO. S-216388

3. The issuance of the permit does not waive any federal, state, county or local government ordinances, regulations or permits for which the facility may have to comply.

WITNESS my hand and seal of office this 2nd day
of June, 2008.

 *Fuz?*

Sandra Fabritz-Whitney, Assistant Director

Granite Mountain Water Company Well Information

	Well #1 (2755 Love Lane)	Well # 2 (2626 Levie Lane)	Well # 3 (2480 Shane Dr.)	Well # 4 (2410 Shane Dr.)	Well # 5 (2465 Shane Dr.)
Water Provider Right #	58-111865.0002				
Service Area Right #	56-003024.0000				
Well Reg. #	55-511301	55-502453	55-511771	55-554078	55-220316 (55-622083 Converted 1/2011)
Date Well Completed	7/11/1985	3/1/1980	8/27/1985	4/24/1996	Unknown – before 7/3/1968
Re-Drill Date		4/5/1999			TBD
Depth of Well	288 ft	340 ft	362 ft	500 ft	250 ft
Diameter of Well	6"	7"	8"	8"/6"	8"
Depth of casing	275 ft	340 ft	362 ft	500 ft	TBD
Type of casing	Steel	PVC perforated	Steel	Steel/PVC	Steel
Max pump capacity	200 gpm	5 gpm	15hp @ 65 gpm	15hp @ 125 gpm	65 gpm
Annual Volume of Water Rights	12.9 ac ft	8 ac ft (16.13 ac ft)	40 ac ft	80.65 ac ft	104.85 ac ft
Depth to water	191.1 ft (as of 3/22/11)	273 ft (as of 8/14/07)	248' 10" (as of 12/06/12)	230' 7" (as of 12/06/12)	TBD
Meter Size	None	None	2" Neptune	3" Neptune	None
Type of Well	Exempt	Non-Exempt	Non-Exempt	Non-Exempt	Non-Exempt
Principal use	Not currently in use (Capped) "Property Held for Future Use"	Not currently in use (Capped) "Property Held for Future Use"	Primary well for GM Water Company	Primary well for GM Water Company	ADWR Permit to Redrill
Location	SE ¼ NW ¼ NW ¼ 31	NE ¼ SE ¼ SW ¼	NE ¼ SE ¼ SW ¼	NW ¼ SW ¼ NE ¼	NW ¼ SW ¼ SE ¼
Section	15N	31	30	30	30
Township	2W	15N	15N	15N	15N
Range		2W	2W	2W	2W
Latitude		34° 37' 55.82"N	34° 38' 42.91"N	34° 38' 46.45"N	34° 38' 41.38"N
Longitude		112°30' 38.4"W	112°30' 33.2"W	112°30' 27.0"W	112°30' 31.1"W
Parcel #	102-14-015	102-10-056	102-09-017	102-09-009	102-09-008A

*Per ADWR 65gpm * 525600 / 325851 = 104.85 acre ft/yr

Updated: 3/23/2011

JANICE K. BREWER
Governor



SANDY FABRITZ-WHITNEY
Director

ARIZONA DEPARTMENT of WATER RESOURCES
3550 North Central Avenue, Second Floor
Phoenix, Arizona 85012-2105
602.771.8500
azwater.gov

December 3, 2013

Granite Mountain Water Company
Attn: Arden Barney
PO Box 350
Chino Valley, AZ 86323

RE: Application S-210719 to Increase Permitted Maximum Annual Volume for
Existing Well No. 55-210719 - File: B(15-02)30DCC

Dear Applicant:

The Department of Water Resources (Department) has reviewed the above referenced application that was submitted on May 31, 2013, requesting a Permit to Increase the Permitted Maximum Annual Volume for an existing well. The Department hereby denies the application for the following reason:

There has been no response to the Department's deficiency letters dated July 17, 2013 and October 11, 2013. Copies of the letters are enclosed.

This decision constitutes an appealable agency action. Granite Mountain Water Company is entitled to appeal this denial, and your rights are described further in the enclosed Notice of Right to Appeal. If you have any questions or comments regarding this matter, please contact Sharon Scantlebury, Docket Supervisor, at (602) 771-8472.

Sincerely,

A handwritten signature in black ink, appearing to read "Michael Johnson".

Michael Johnson
Assistant Director

Enclosures

EXHIBIT "2"

STATE OF ARIZONA
DEPARTMENT OF WATER RESOURCES
WATER MANAGEMENT DIVISION
MAIL TO: P.O. BOX 36020, PHOENIX, ARIZONA 85067-6020
3550 North Central Avenue, Phoenix, Arizona 85012
Phone (602) 771-8500 • Fax (602) 771-8690

**APPLICATION FOR A PERMIT TO DRILL OR OPERATE A NON-EXEMPT
WELL WITHIN AN ACTIVE MANAGEMENT AREA PURSUANT TO A.R.S. § 45-599**

I. INSTRUCTIONS:

1. This application should be used to obtain a permit to:
 - (a) Drill a non-exempt well in conjunction with a new or existing General Industrial Use Permit Application, a Certificate of Grandfathered Right, a Service Area Right, or an Irrigation District Right.
 - (b) Convert an existing well to a non-exempt well, or increase the annual permitted volume to be withdrawn from the well.
2. Complete all appropriate items on this application, sign in the appropriate place and mail to P.O. Box 33589, Phoenix, Arizona 85067-3589 or hand deliver to 3550 North Central Avenue, Phoenix, Arizona 85012
3. Pursuant to A.R.S. § 45-599 and A.A.C. R12-15-104, the fee for this application is \$150.00 and the permit fee is \$30.00.

II. GENERAL DATA:

1. Applicant Granite Mountain Water Company
Mailing Address P.O. Box 350
Chino Valley, AZ 86323
City _____ State _____ Zip Code _____
Contact Person Arden Barney
Telephone Number (928) 717-2616

FOR DEPARTMENT USE ONLY	
Application No.	_____
Registration No.	_____
File No.	_____
Date Received	_____
AMA	_____
W/S	_____ S/B _____

2. Name of Land Owner Granite Mountain Water Co. 2B. Parcel No. 102-09-008D
Mailing Address P.O. Box 350 2C. Public Water System ID # A 204-13-150
Chino Valley, AZ 86323 (928) 717-2616
City _____ State _____ Zip _____ Telephone Number _____

3. Applicant is: ☒ Owner ☐ Lessee

4. Proposed well is: ☐ New well ☐ Increase in Permitted Maximum Annual Volume for Existing Well ☐ Replacement well in a new location.

5. Claim of entitlement to withdraw groundwater is based upon:

- ☐ Certificate of Grandfathered Right No: _____
☐ General Industrial Use Permit No. 59- _____
☒ Service Area Right No: 56-003024.0000
☐ Irrigation District Right No: _____

6. The principal use(s) of groundwater will be (be specific) Domestic - Municipal

7. Well location: NW $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$ Section 30 Township 15 N/S Range 02 E/W
10 Acre 40 Acre 160 Acre

8. Position location of the well: Latitude 34 ° 38 ' 38.94 " N Longitude 112 ° 30 ' 26.04 " W

9. Design Pump Capacity 35 gpm Depth 360 ' feet
Diameter 5 " inches Type of casing PVC

10. Proposed annual volume of water 80.65 acre feet

11. Well is located in the 77- Big Chino subbasin of the Prescott Active Management Area.

12. Approximate date construction will begin: MONTH _____ YEAR _____

Estimated time to complete new well _____. (If longer than 1 year, attach explanation.)

13. Legal description of the land where the groundwater will be used:

_____ 1/4 _____ 1/4 _____ 1/4 Section _____ Township _____ N/S Range _____ E/W. County _____
10 Acre 40 Acre 160 Acre

14. Is the proposed well site within 100 feet of a septic tank system, sewage disposal area, landfill, hazardous waste facility or storage area of hazardous materials? ☐ Yes ☐ No (if yes, a request for a variance must accompany this application pursuant to R12-15-820.)

15. Driller's Name _____ DWR License No: _____ ROC License Category _____

Mailing Address: _____
Street City State Zip Telephone Number

16. Attach a Well Construction Supplement, DWR form 55-90, and include a detailed construction diagram as indicated on the form.

III. FOR SERVICE AREA WELLS AND IRRIGATION DISTRICT WELLS ONLY:

17. Is the proposed well located in your service area? ☒ Yes ☐ No

18. Will groundwater withdrawn be used in your service area? ☒ Yes ☐ No (If answer is no, attach explanation.)

IV. FOR REPLACEMENT WELL IN NEW LOCATION ONLY:

19. Registration number of original well 55- _____

20. Location of the original well: _____ 1/4 _____ 1/4 _____ 1/4 Section _____ Township _____ N/S Range _____ E/W
10 Acre 40 Acre 160 Acre

21. Distance between original well and proposed replacement well _____ feet.

22. When determining impacts under the Department's well spacing rules, the director will take into account the collective efforts of reducing or terminating withdrawals from the well being replaced combined with the proposed withdrawals from the replacement well if the applicant submits a hydrological study demonstrating those collective effects to the satisfaction of the director.

Will a hydrological study be submitted? ☐ Yes ☐ No

23. Will the original well be abandoned if applicant receives a permit to drill a replacement well? ☐ Yes ☐ No.

(If yes, please submit a completed Notice of Intent to Abandon a Well along with this application.)

If no, explain the planned use of the original well _____

V. FOR INCREASE IN PERMITTED MAXIMUM VOLUME FOR EXISTING WELL ONLY:

24. Registration number of the existing well 55- 210719 Present pump design capacity 35 gallons per minute. Present permitted volume 56.45 acre-feet per year.

25. The new design pump capacity will be 35 gallons per minute. New permitted volume will be 56.45 acre-feet per year.

26. Will the well be modified or deepened? ☐ Yes ☐ No [Pursuant to R12-15-801(29)] If yes, Attach a Well Construction Supplement, DWR form 55-90, and include a detailed construction diagram as indicated on the form.

27. The existing well has previously been used in conjunction with or for the following: Domestic - Single Family

It is understood that the permit, if granted, will be in accordance with the Groundwater Management Act (Title 45, Chapter 2), and the rules adopted thereunder. The permittee will be bound by the provisions of such law and the provisions of the permit issued.

I (we), Arden Barney hereby affirm that all information provided in this application is true and correct to the best of my/our
(print name) knowledge and belief.

Signature of Applicant Arden W. Barney Date 1-21-14

Signature of Land Owner (if applicable) _____ Date _____


PERMISSION DOCUMENTATION

Arizona Department of Water Resources
3550 North Central Avenue, Second Floor
Phoenix, AZ 85012-2105
Attn: Ms. Cynthia Pogue

The undersigned Sandia Properties LLC, 160 S. Viewcrest Dr., Bountiful, Utah 84010, by and through its Managing Member, does hereby grant unto Granite Mountain Water Company permission to increase pumping of Well 55-210719 and to convert such well to a non-exempt service area well for 56-003024.0000 (Granite Mountain Water Company Service Area designation).

Dated this 28th day of June, 2013

SANDIA PROPERTIES, LLC



Jonathan Duke
Managing Member

WATER SUPPLY AND FIRE FLOW DESIGN REPORT

FOR GRANITE MOUNTAIN WATER COMPANY

GRANITE MOUNTAIN WATER COMPANY

P.O. BOX 350

CHINO VALLEY, AZ 86323

928-776-9641

CONTACT PERSON: ARDEN BARNEY

REPORT PREPARED BY:

BC ENGINEERING

212 S. MARINA STREET

PRESCOTT, AZ 86303

928-899-8772

CONTACT PERSON: WILLIAM J CARNES

August 12, 2013

EXHIBIT "4"



INTRODUCTION

This report is to calculate and verify the water usage demand and the fire flow demand for the GRANITE MOUNTAIN WATER COMPANY in Prescott, Arizona. The GRANITE MOUNTAIN WATER COMPANY serves the GRANITE MOUNTAIN HOMESITES SUBDIVISION located northwest of Prescott on Williamson Valley Road.

Currently, there are 123 lots being served by the water company. At total build-out, there will be 175 lots being served by the water company. With a design capita of 2.5 persons per lot, that equates to 438 people will be served by the water company at total build-out.

Presently, there are two wells, well #3 and well #4, supplying water for the water company with construction plans being submitted for a third well to be added for water production for the company. There are currently two storage tanks serving the water company. One of 50,000 gallons capacity and the other with 12,667 gallons capacity, making a total storage capacity of 62,667 gallons storage.

WATER DEMAND FOR WATER DISTRICT

As stated above, at total build-out, the water district will have 175 lots being served by the water company. Historic water usage data collected for the water district for the year of 2012 for the presently occupied 123 lots gives the average daily usage of 27,992 gallons per day for the 123 lots. This gives an average monthly water usage of:

$$27,992 \text{ gal/day for 123 lots} \times 31 \text{ days/month} = 867,752 \text{ gal/month for 123 lots.}$$

For total build-out of 175 lots, this would give a average daily usage of:

$$27,992 \text{ average gal/day for 123 lots} \times 175 \text{ lots} / 123 \text{ lots} = 39,826 \text{ gal/day for 175 lots}$$

This would give an average monthly usage for total build-out of 175 lots of:

$$39,826 \text{ gal/day for 175 lots} \times 31 \text{ days/month} = 1,234,607 \text{ gal/month for 175 lots.}$$

Now, we have to convert this average monthly water usage to an average daily usage for each lot. The calculation for this would be:

$$1,234,607 \text{ average gal/month} \div (31 \text{ days/month} \times 175 \text{ lots}) = 228 \text{ gpd/lot average daily usage}$$

This historic calculated water data for the year of 2012 will be used to calculate the daily demand factors for the water district at total build-out. Therefore, at total build-out, the water demand for the district will be:

AVERAGE DAILY DEMAND

$$175 \text{ lots} \times 228 \text{ gpd/lot} = 39,826 \text{ gallons per day water demand or 28 gpm}$$

MAXIMUM DAILY DEMAND

$$1.8 \times \text{average daily demand} = 1.8 \times 39,826 \text{ gallons} = 71,687 \text{ gallons per day}$$

or 50 gpm

PEAK HOURLY DEMAND

$$1.7 \times \text{maximum daily demand} = 1.7 \times 71,687 \text{ gallons} = 121,868 \text{ gallons per day}$$

or 85 gpm

WATER SUPPLY FOR WATER DISTRICT

As stated above, the water company has two wells, well #3 and well #4, that currently supply water for the water district, and a third proposed well, well #6 that will be added shortly to supply water for the water district. The quantity of water that each well can produce is:

Well #3 produces	22 gpm	or	31,680 gallons per day
Well #4 produces	60 gpm	or	86,400 gallons per day
Well #6 will produce	35 gpm	or	50,400 gallons per day

Water from the wells is pumped to two existing storage tanks, one of 50,000 gallons storage capacity and one of 12,667 gallons storage capacity. Water is supplied throughout the water district through a 2,000 gallon hydroneumatic tank and two 15 hp booster pumps, each having a pumping capacity of 250 gpm.

OPERATIONAL STORAGE REQUIREMENTS

Operational storage requirements for the water district are based on the water demand at total build-out of 175 lots which has, as calculated above, the average daily demand of 39,826 gallons per day. The current storage capacity of the water system is 62,667 gallons with the two existing storage tanks. This is greater than the average daily demand of 39,826 gallons, so therefore the operational daily storage requirements are met.

Fire flow storage requirements are based on the approved fire flows and fire suppression systems required for the lots at the time the various units of Granite Mountain Homesites were platted and approved by Yavapai County. The required fire flow for these platted units of Granite Mountain Homesites is 500 gpm for a duration of 2 hours which is equal to 60,000 gallons. Along with this required fire flow of 500 gpm is a note called "Fire Suppression" on the cover of the plats that states each home within the subdivision will be built with fire sprinklers or other approved fire suppression system. These two fire suppression requirements were a condition of the approval for each platted unit of Granite Mountain Homesites with Yavapai County and is stated as a part of the Department of Real Estate Public Report that is filed with each plat.

Also, in contacting the Central Yavapai Fire District fire marshal, the current fire code used by the fire district for the Granite Mountain Homesites subdivision is stated thusly:

B105.1 One and Two family dwellings: The minimum fire flow and flow duration requirements for one and two family dwellings having a fire flow calculation area which does not exceed 3,600 square feet shall be 1,000 gallons per minute for 1 hour. A reduction in required fire flow of 50 percent, as approved, is allowed when the building is provided with an approved automatic sprinkler system. A letter from the Central Yavapai Fire District fire marshal stating the fire flow requirements is enclosed with this report.

Therefore, fire flow storage requirements for the water district are:

$$500 \text{ gpm} \times 60 \text{ minutes duration} = 30,000 \text{ gallons}$$

The storage capacity of the two existing storage tanks is 62,667 gallons, which is greater than the required fire flow storage of 30,000 gallons, therefore the fire storage capacity for the water system is met.

CONCLUSIONS AND RECOMMENDATIONS

Granite Mountain Water Company is putting into service a third high production well for their water district, and construction plans for the connection of this third well to the subdivision domestic water system are being submitted along with this water report. The three wells will work together or alternate to pump water to the storage tanks. The two storage tanks have a total capacity of 62,667 gallons.

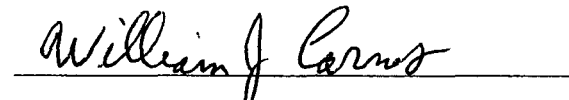
At present, there are 123 lots being served by the water company. At total build-out, there will be 175 lots with service connections to the water company system. At a Granite Mountain Water Company historic water usage demand for each lot of 228 gallons per day, that gives a water demand of $228 \text{ gpd/lot} \times 175 \text{ lots} = 39,826 \text{ gallons per day}$. With the existing storage capacity of 62,667 gallons, this is more than the daily demand of 39,826 gallons and provides adequate daily storage capacity.

The fire flow storage capacity requirement for the Granite Mountain Homesite Subdivision is 500 gpm for a duration of 1 hours and that each house built in the subdivision be sprinkled or have another approved fire suppression system as recorded on the approved plat and as stated within the filed Department of Real Estate Public Report. The fire storage capacity requirement is therefore:

$$500 \text{ gpm} \times 60 \text{ minutes} = 30,000 \text{ gallons.}$$

The capacity of the existing two storage tanks is 62,667 gallons, which is greater than the required 30,000 gallons and the fire flow storage capacity requirement is met.

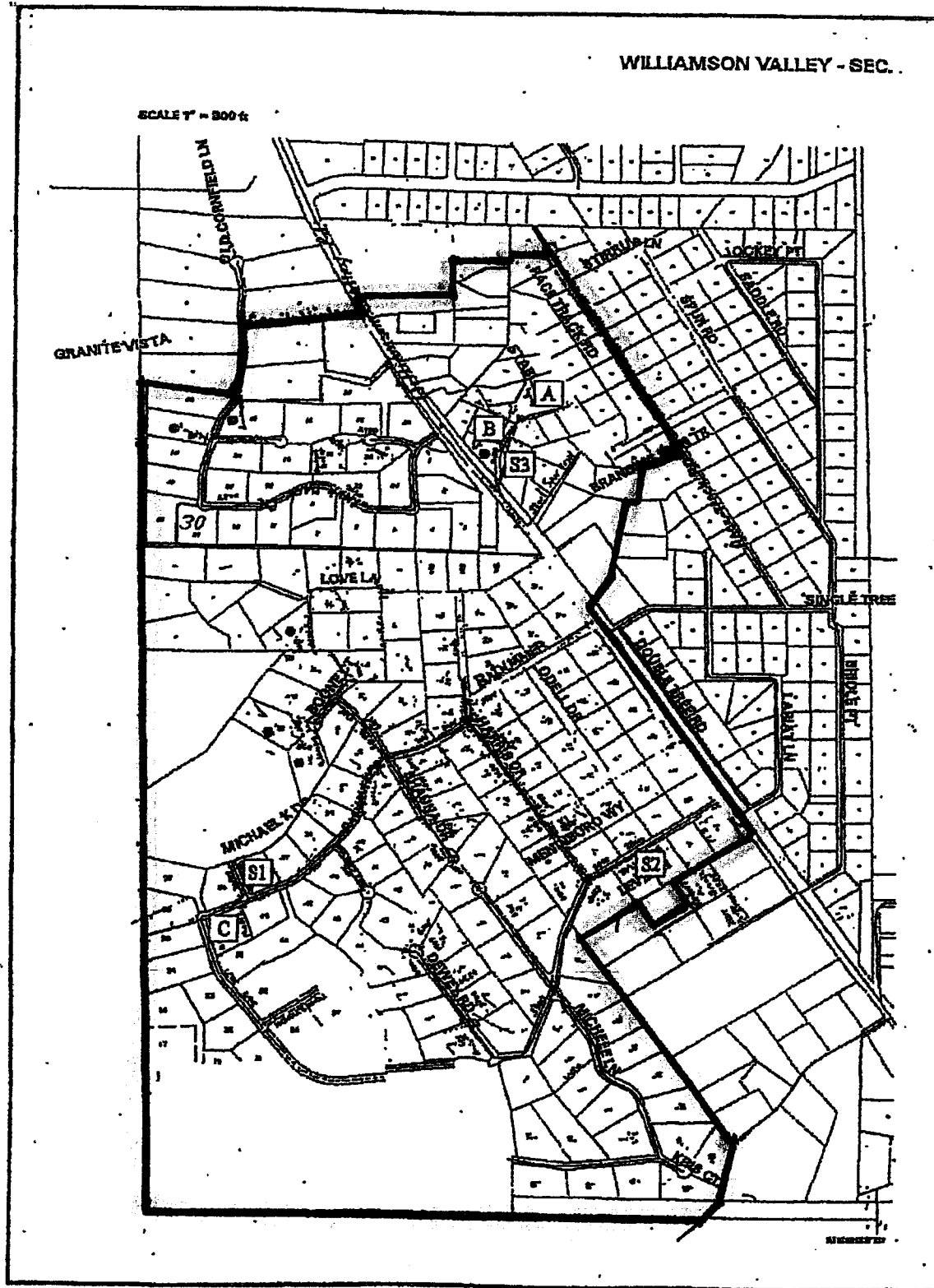
With the addition of a third well, which will nearly double the water production for the Granite Mountain Water Company, and showing, with the above calculations, that the daily demand storage and the fire flow storage is adequate for the subdivision, I recommend that the Granite Mountain Water Company water system is adequate to provide the needed water demand for the subdivision at total build-out. Thank you for your time and effort in the review of this water report and accompanying new well construction plans.



William J Carnes, P.E.

GRANITE MOUNTAIN WATER COMPANY

SERVICE AREA



**FIRE SUPPRESSION NOTE FROM COVER OF GRANITE
MOUNTAIN HOMESITES, UNIT 5, PHASE 3
SUBDIVISION PLAT RECORDED IN BOOK 55, PAGE 84:**

**THIS IS AN EXAMPLE OF THE FIRE FLOW AND FIRE
SUPPRESSION THAT WAS REVIEWED AND APPROVED
WHEN THE CONSTRUCTION PLANS AND THE FINAL
PLAT OF EACH UNIT OF GRANITE MOUNTAIN
HOMESITES WERE APPROVED BY YAVAPAI COUNTY.**

ASSURANCE

SATISFACTORY ASSURANCE IN THE FORM OF A CONSTRUCTION AGREEMENT FROM
WELLS FARGO IN THE AMOUNT OF \$250,000 HAS BEEN PROVIDED IN THE FULL
AMOUNT NECESSARY TO GUARANTEE THE INSTALLATION OF STREETS, WATER, AND
ALL REQUIRED IMPROVEMENTS IN THIS SUBDIVISION (ELECTRIC) (PHONE)
UTILITY SERVICES HAVE BEEN ASSURED BY LETTER FROM THE APPROPRIATE
UTILITY COMPANIES

BY:

CHAIRMAN

Ed Springer

DATE

1/24/06

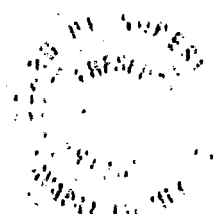
ATTEST:

CLERK OF THE BOARD

La Stadden

DATE

1/24/06



FIRE SUPPRESSION NOTE

ALL RESIDENTIAL STRUCTURES WITHIN THIS SUBDIVISION SHALL BE CONSTRUCTED
WITH FIRE SUPPRESSIONS SYSTEMS (SPRINKLERS OR OTHER ACCEPTABLE METHOD)
APPROVED BY THE CENTRAL YAVAPAI FIRE DISTRICT

CC & R's

THE DECLARATION OF RESTRICTIONS FOR THIS SUBDIVISION IS BY ANNEXATION
DECLARATION RECORDED IN BOOK *4357* OF OFFICIAL RECORDS, PAGE *817*,
INCORPORATING THAT CERTAIN DECLARATION COVENANTS, CONDITIONS AND
RESTRICTIONS FOR GRANITE MOUNTAIN HOMESITES, UNIT V, PHASE 2, DATED JUNE
8, 2005 AND RECORDED JUNE 23, 2005 IN BOOK 4278, PAGE 173 OF THE
OFFICIAL RECORDS OF YAVAPAI COUNTY, ARIZONA



August 7, 2013

William J Carnes, P.E.
212 S Marina Street
Prescott AZ 86303

Re: **Granite Mountain Homesites**
Fire Flow Requirements

Dear Mr. Carnes:

The fire flow requirements for the homes in the Granite Mountain Homesites subdivision are as follows:

B105.1 One- and two-family dwellings. *The minimum fire-flow and flow duration requirements for one- and two-family dwellings having a fire-flow calculation area which does not exceed 3,600 square feet (344.5 m²) shall be 1,000 gallons per minute (3785.4 L/min) for 1 hour. Fire-flow and flow duration for dwellings having a fire-flow calculation area in excess of 3,600 square feet (344.5 m²) shall not be less than that specified in Table B105.1. Exception: A reduction in required fire flow of 50 percent, as approved, is allowed when the building is provided with an approved automatic sprinkler system.*

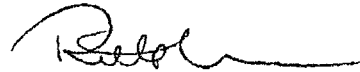
The Central Yavapai Fire District Fire Protection Standards, Section 5.01-3 states:

5.01-3 Per amended Table B 105.1, any building or subdivision in the fire district shall meet fire flows. The requirement may be met by fire hydrant(s), fire alarm system and/or fire sprinkler system. All buildings over 5,000 square feet require a fire sprinkler system.

Due to the fact that there are no fire hydrants installed in this subdivision, fire sprinkler systems in each home are considered an acceptable alternative.

If you have any questions or if I can be of further assistance, please call me at (928) 759-9933.

Sincerely,

A handwritten signature in black ink, appearing to read "Rick Chase", with a long horizontal flourish extending to the right.

Rick Chase
Fire Marshal

Xc: Occupancy File
File ADM 4.5.1

EXHIBIT "5"

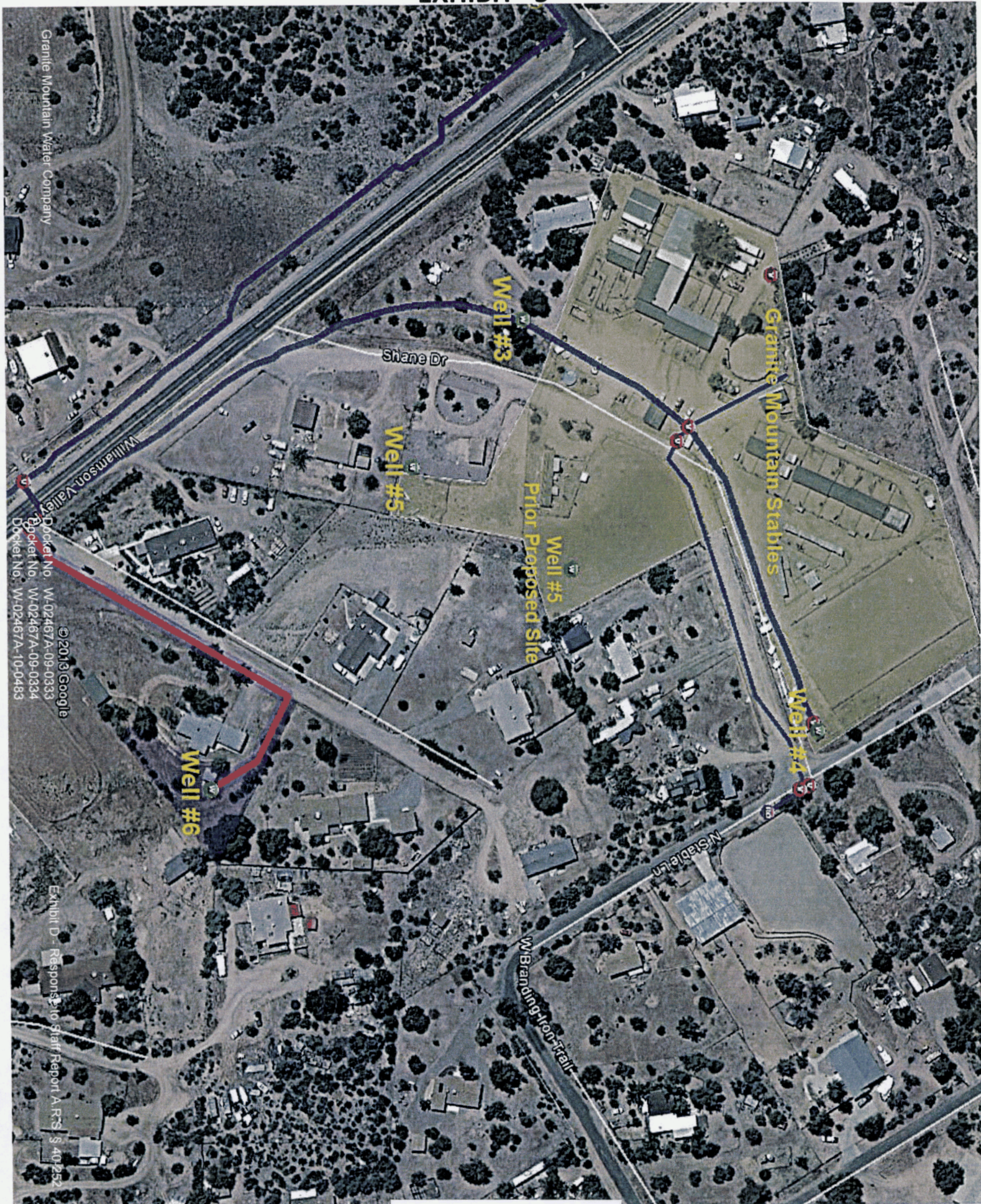


EXHIBIT "5"

Error

An error occurred while processing this page. See the system log for more details.

GRANITE MOUNTAIN WATER COMPANY

WATER STORAGE TANK #3

IMPROVEMENT PLANS

OWNER:

GRANITE MOUNTAIN WATER COMPANY
2565 W. Shane Dr.
Prescott Valley, AZ 86305

ENGINEER:

GLEN L. VORTHERMS, P.E.
8618 W. JOHN CABOT RD.
PEORIA, AZ 85382
(602) 989-1310

ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY

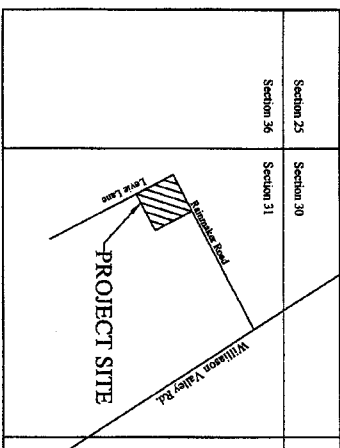
APPROVED BY:

DATE

GRANTEE MOUNTAIN WATER COMPANY

APPROVED BY:

DATE



VICINITY MAP

(T 15N, R 3W)

MATERIALS & QUANTITIES LIST

ITEM	QTY	UNIT
6" Gate Valve	1	E.A.
4" Gate Valve	1	E.A.
6" DIP	28	FT.
6" 45° Bend	1	E.A.
Storage Tank	50K	GALS.

"AS-BUILT" CERTIFICATION"

I HEREBY CERTIFY THAT THE "AS-BUILT" IMPROVEMENTS AS SHOWN HEREON ARE LOCATED AS NOTED, AND THE LOCATIONS ARE CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED ENGINEER

DATE

ENGINEER NOTES:

1. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR CONSTRUCTION, MAINTENANCE, TROUBLESHOOTING OR INSURING OR PROVIDING OR FOR THE CONSTRUCTION OF THE PROJECT. THE ENGINEER SHALL BE RESPONSIBLE FOR THE CONSTRUCTION OF THE PROJECT. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE CONSTRUCTION OF THE PROJECT.
2. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE CONSTRUCTION OF THE PROJECT. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE CONSTRUCTION OF THE PROJECT.
3. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE CONSTRUCTION OF THE PROJECT. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE CONSTRUCTION OF THE PROJECT.
4. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE CONSTRUCTION OF THE PROJECT. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE CONSTRUCTION OF THE PROJECT.
5. ANY INSPECTION BY A QUALITY WATER COMPANY, COUNTY OR THE ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY SHALL BE CONDUCTED IN ACCORDANCE WITH THE ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY'S REQUIREMENTS FOR THE CONSTRUCTION OF THE PROJECT.
6. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE CONSTRUCTION OF THE PROJECT. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE CONSTRUCTION OF THE PROJECT.
7. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE CONSTRUCTION OF THE PROJECT. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE CONSTRUCTION OF THE PROJECT.
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9. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE CONSTRUCTION OF THE PROJECT. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE CONSTRUCTION OF THE PROJECT.
10. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE CONSTRUCTION OF THE PROJECT. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE CONSTRUCTION OF THE PROJECT.
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13. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE CONSTRUCTION OF THE PROJECT. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE CONSTRUCTION OF THE PROJECT.
14. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE CONSTRUCTION OF THE PROJECT. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE CONSTRUCTION OF THE PROJECT.

BASIS OF BEARING

THE BASIS OF BEARING FOR THIS PROJECT IS THE WEST LINE OF SECTION 31, TOWNSHIP 15 NORTH, RANGE 3 WEST, AT A MEASURED BEARING OF NORTH 01° 20' 00" WEST.



EXHIBIT "7"

WATER NOTES:

Water lines shall be installed in a manner to eliminate dips or high points.
 Thrust restraint shall be inspected prior to backfilling.
 Bedding and backfill for PVC water lines shall conform to applicable requirements of MAG Section 601.
 Pressure testing shall not be conducted until after the contractor has prestressed 100% of the lines.
 All mains shall be chlorinated in conformance with Section 611 of MAG Standard Specifications.
 Contact Granite Mountain Water for disinfection testing.
 All potable waterlines and fittings shall have a NSF-PW seal. All materials and products use in the potable water system shall conform to ANS/NSF standards 60 and 61 in accordance with AAC R18-4-118.
 All materials used shall be lead-free as defined in AAC R-4-504 and R18-4-101.
 Pipe, fittings, valves, fire hydrants and other appurtenances shall conform to the current standards of the American Water Works Association, American Standards Association or the Federal Government.
 All plastic pipe and fittings must bear the seal of the National Sanitation Foundation (NSF).
 All new, cleaned or repaired elements of a distribution system shall be disinfected in accordance with Engineering Bulletin No. 8, Disinfection of Water Systems.
 Pressure and leakage testing shall be conducted as specified in AWWA Standard C900.
 All water lines at arsenic treatment unit shall be color coded per Engineering Bulletin No. 10, Guidelines for the Construction of Water Systems.
 Contact Baca Fleet Water Company for disinfection testing

STORAGE TANK NOTES:

Tank and Accessories to meet AWWA D-100-96 Standards.
 Tanks, Fittings and Equipment which will come in contact with water will be disinfected in accordance with ADEQ Eng. Bulletin No. 8 or AWWA C652-92.
 All potable waterlines and fittings shall have a NSF-PW seal. All materials and products use in the potable water system shall conform to NSF standards 60 and 61 in accordance with AAC R18-4-118.
 All materials used shall be lead-free as defined in AAC R-4-504 and R18-4-101.
 All materials used shall be lead-free as defined in AAC R-4-504 and R18-4-101.

GENERAL NOTES:

All water plant facilities shall provide for adequate lighting, drainage, operator safety and accessibility of equipment for operation, service and removal.

NO.	REVISIONS	DATE	BY	CHK.

GRANITE MOUNTAIN WATER COMPANY
 PRESCOTT, ARIZONA

DESIGNED BY:	PLT
DRAWN BY:	DLV
CHECKED BY:	CAD
APPROVED BY:	
DATE:	08-28-11

WATER STORAGE TANK PLANS
 FOR
 GRANITE MOUNTAIN WATER COMPANY

SCALE:	NONE
SHEET NO.	2 OF 9



EXPIRES 8/30/2011

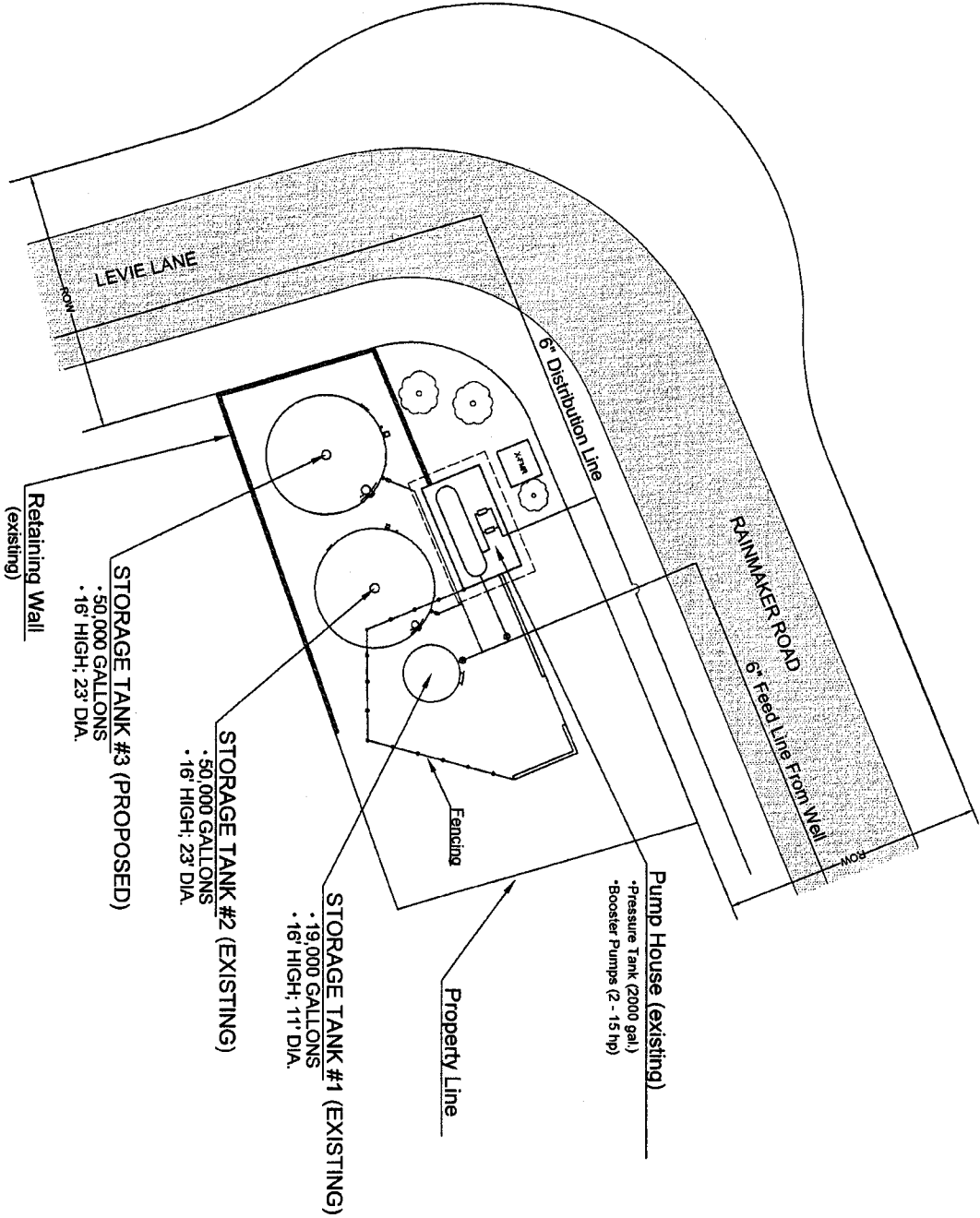
NO.	REVISIONS	DATE	BY	CHK.

GRANITE MOUNTAIN WATER COMPANY PRESCOTT, ARIZONA

JOB NO.	P1101
DESIGNED BY:	GLV
DRAWN BY:	CAJO
CHECKED BY:	
APPROVED BY:	
DATE:	06-28-11

GENERAL PLAN

SCALE:	1" = 10'
SHEET NO.	3
OF	9



EXPIRES 6/30/2011

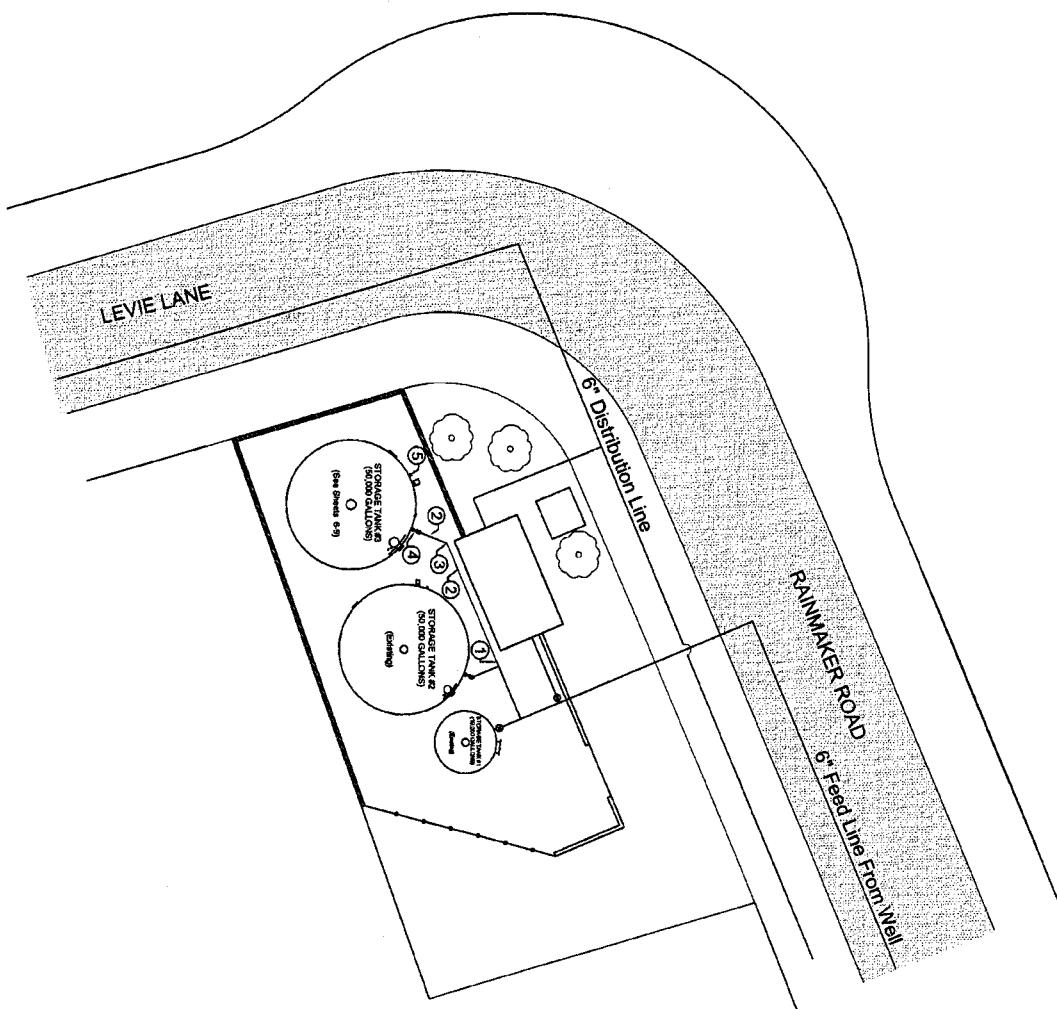
NO.	REVISIONS	DATE	BY	CHK.

GRANITE MOUNTAIN WATER COMPANY PRESCOTT, ARIZONA

JOB NO.	P1101
DESIGNED BY:	Q.V.
DRAWN BY:	QAD
CHECKED BY:	
APPROVED BY:	
DATE:	05-28-11

SITE IMPROVEMENTS

SCALE:	1" = 10'
SHEET NO.	4
OF	9



EQUIPMENT SCHEDULE

- ① Remove existing 6" Blind Flange.
- ② 6" DIP
- ③ 6" 45° Bend
- ④ 6" Gate Valve
- ⑤ 4" GATE VALVE



EXPIRES 9/30/2011

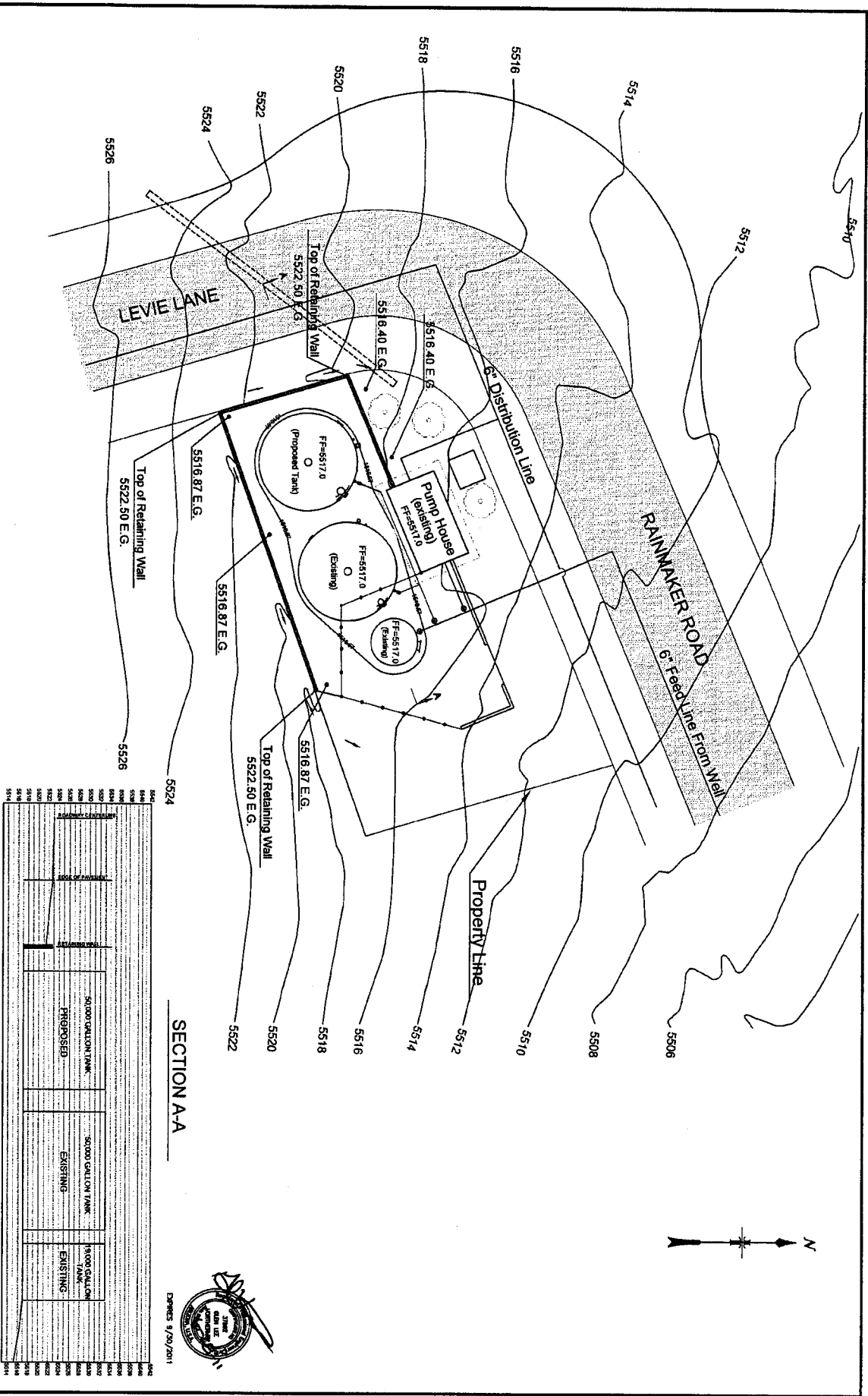
NO.	REVISIONS	DATE	BY	CHK.

GRANITE MOUNTAIN WATER COMPANY
 PRESCOTT, ARIZONA

JOB NO. P1101
 DESIGNED BY: G.V.
 DRAWN BY: C.M.D.
 CHECKED BY:
 APPROVED BY:
 DATE: 09-28-11

GRADING & DRAINAGE
 PLAN

SCALE:
 1" = 10'
 SHEET NO. 5 OF 9

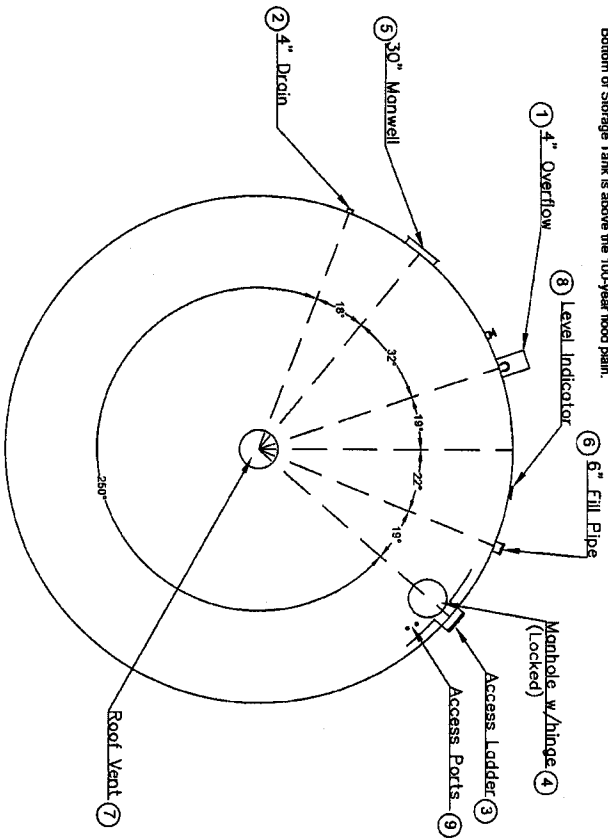


SECTION AA



NOTES:

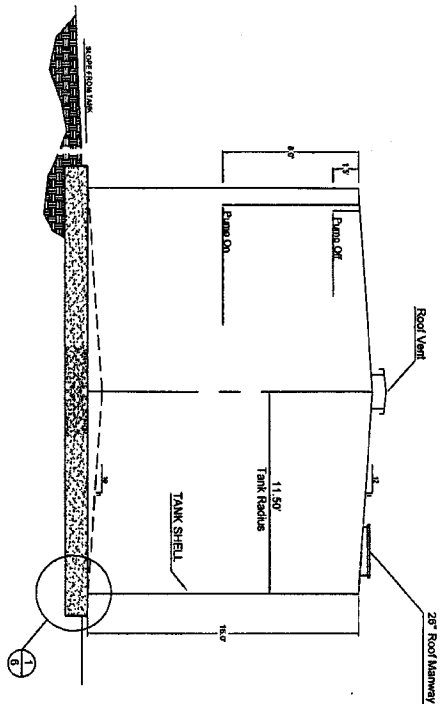
See Storage Tank Notes on Sheet 2.
Bottom of Storage Tank is above the 100-year flood plain.



STORAGE TANK #3 PLAN

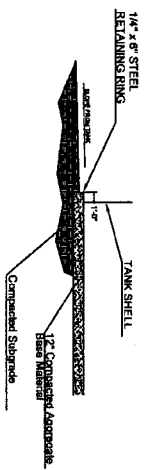
(50,000 GALLONS)

- ① 4" OVERFLOW 6" FROM TOP WITH CONCRETE SPLASH GUARD.
- ② 4" DRAIN WITH VALVE 6" OC ABOVE BOTTOM OF TANK. (1/2")
- ③ EXTERIOR & INTERIOR ACCESS LADDER WITH WING RAILS.
- ④ 24" MANHOLE WITH HINGED LID PLACED OVER INTERIOR LADDER.
- ⑤ 30" MANWELL WITH GASKET. (1/2")
- ⑥ 6" FLANGED INLET/OUTLET, 12" OC FROM BOTTOM OF TANK. (1/2")
- ⑦ 24" ROOF VENT SCREEN WITH NO. 16 NON-CORROSIVE SCREEN.
- ⑧ LEVEL INDICATOR.
- ⑨ 2" THREADED ACCESS PORTS WITH PLUGS.



TANK ELEVATION

SCALE: NONE



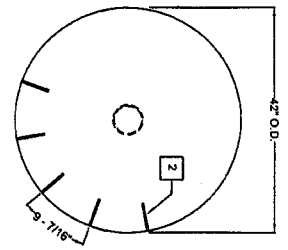
STORAGE TANK FOUNDATION (1/2")

SCALE: NONE

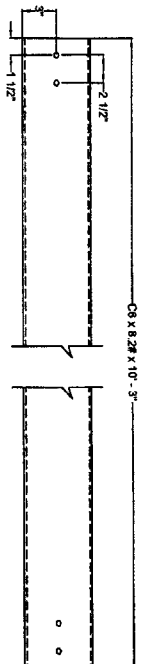


NO.	REVISIONS	DATE	BY	CHK.	JOB NO.	PT101	DESIGNED BY:	QAL	DRAWN BY:	CADD	CHECKED BY:	DATE:	06-28-11	STORAGE TANK LAYOUT	SCALE:	SHEET NO.	OF
																6	9

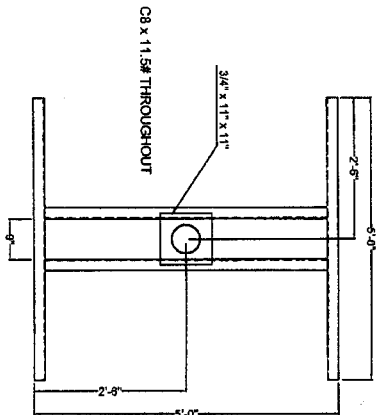
GRANITE MOUNTAIN WATER COMPANY
PRESCOTT, ARIZONA



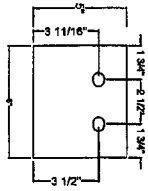
1 DOLLAR PLATE



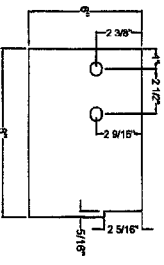
4 RAFTER
(C8 x 8.2# x 10-3')



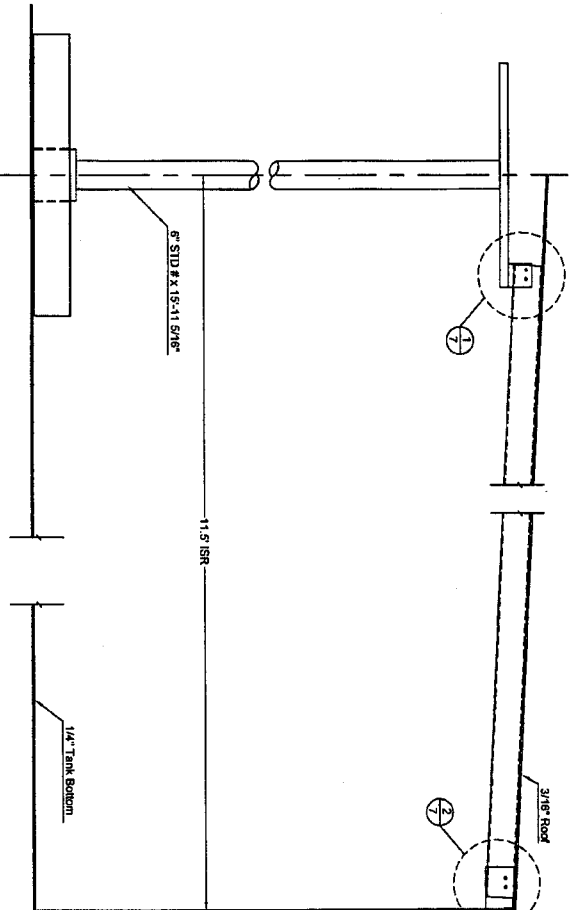
BASE PLATE



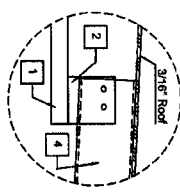
2 DOLLAR PLATE CLIPS
(3/8" x 5" x 6")



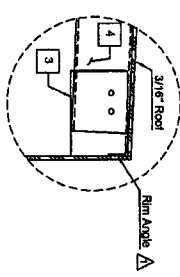
3 RAFTER CLIP
(3/8" x 6" x 8")



TANK X-SECTION THRU C



DETAIL
SCALE: NONE



DETAIL
SCALE: NONE
1/4" x 2 1/2" x 2 1/2"



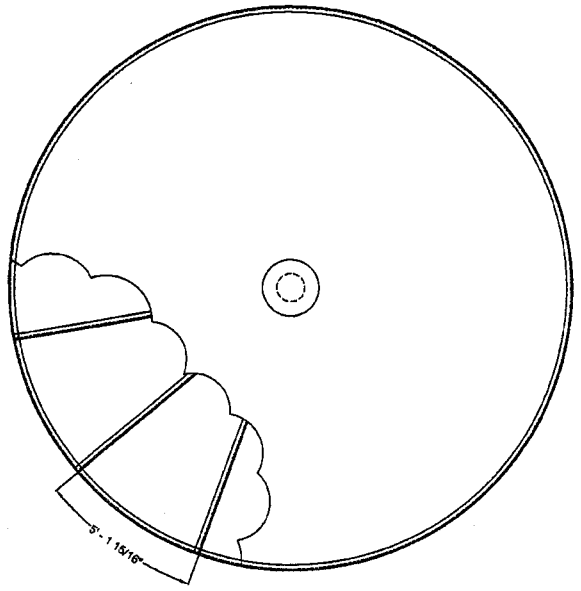
NO.	REVISIONS	DATE	BY	CHK

GRANITE MOUNTAIN WATER COMPANY
PRESCOTT, ARIZONA

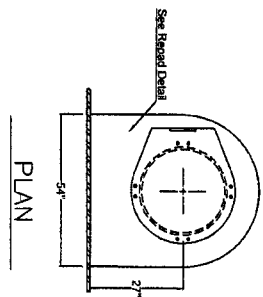
JOB NO.	P101
DESIGNED BY:	GLV
DRAWN BY:	CAD
CHECKED BY:	
DATE:	06-28-11

STORAGE TANK DETAILS

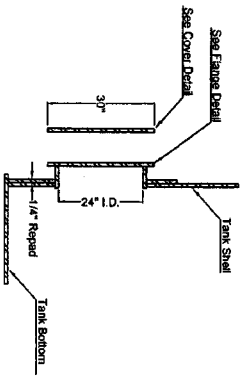
SCALE:	1" = 10'
SHEET NO.	7
OF	9



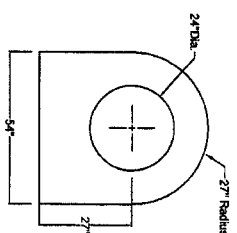
RAFTER SPACING



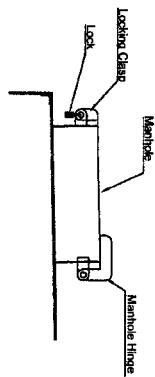
PLAN



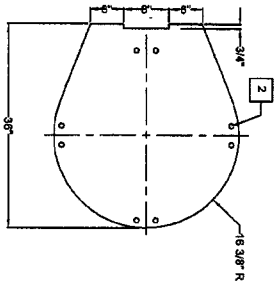
PROFILE



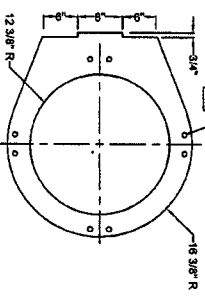
RePad Detail



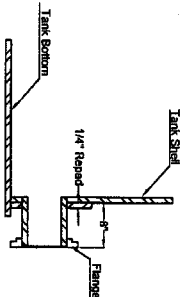
MANHOLE LOCK



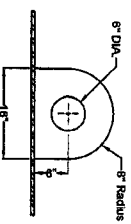
Cover Detail
(1/4" MTL)



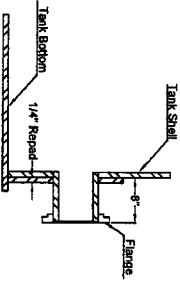
Flange Detail
(1/4" MTL)



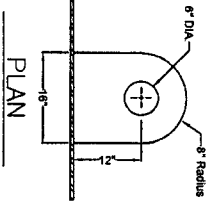
PROFILE



REPAD DETAIL



PROFILE



PLAN

4" DRAIN DETAIL

3/8

6" INLET/OUTLET DETAIL

2/8

2 28 @ 7/8" Equally Spaced



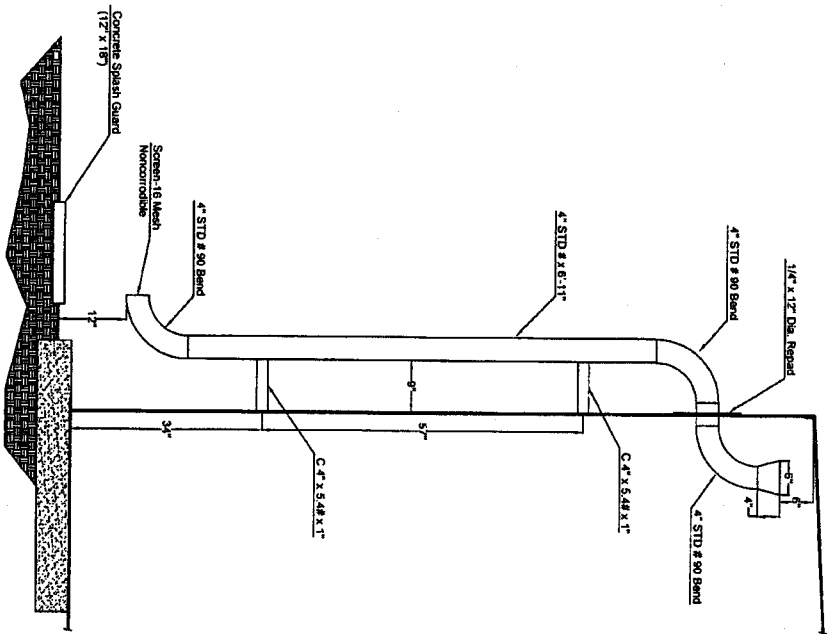
GRANITE MOUNTAIN WATER COMPANY
PRESCOTT, ARIZONA

NO.	REVISIONS	DATE	BY	CHK.
1				
2				
3				
4				
5				
6				
7				
8				
9				

DESIGNED BY: GUY	DATE: 06-28-11
DRAWN BY: CMO	
CHECKED BY:	
APPROVED BY:	

STORAGE TANK DETAILS

SCALE:	NTS
SHEET NO. 8	9



4" OVERFLOW PIPE

NO.	REVISIONS	DATE	BY	CHK.

GRANITE MOUNTAIN WATER COMPANY
PRESCOTT, ARIZONA

JOB NO.	P108
DESIGNED BY:	QAV
DRAWN BY:	CAAD
CHECKED BY:	
APPROVED BY:	
DATE:	06-28-11

STORAGE TANK DETAILS

SCALE:	NTS
SHEET NO.	9
OF	9



EXPIRES 8/26/2011



ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY
CERTIFICATE OF APPROVAL TO CONSTRUCT
WATER FACILITIES

Page 1 Of 3

ADEQ File No: 20110161	LTF No: 54492
System Name: Granite Mountain Water Co	System Number: 13-150
Project Owner: Granite Mountain Water Company	
Address: P O Box 350, Chino Valley, AZ 86323	
Project Location: Prescott	County : Yavapai
Description: GRANITE MOUNTAIN WATER COMPANY. ATC PERMIT TO CONSTRUCT 1-50,000 GALLON WATER STORAGE TANK (#3) AND ASSOCIATED YARD PIPING. TO SERVE 175 SINGLE-FAMILY RESIDENTIAL LOTS IN THE COMMUNITY OF PRESCOTT VALLEY.	

Approval to construct the above-described facilities as represented in the approved documents on file with the Arizona Department of Environmental Quality is hereby given subject to provisions 1 through 6 continued on page 2 through 3

1. This project must be constructed in accordance with all applicable laws, including Title 49, Chapter 2, Article 9 of the Arizona Revised Statutes and Title 18, Chapter 5, Article 5 of the Arizona Administrative Code.
2. Upon completion of construction, the engineer shall fill out the Engineer's Certificate of Completion and forward it to the Central Regional Office located in Phoenix. If all requirements have been completed, that unit will issue a Certificate of Approval of Construction. R18-5-507(B), Ariz. Admin. Code. At the project owner's request, the Department may conduct the final inspection required pursuant to R18-5-507(B); such a request must be made in writing in accordance with the time requirements of R18-5-507(C), Ariz. Admin. Code.
3. This certificate will be void if construction has not started within one year after the Certificate of Approval to Construct is issued, there is a halt in construction of more than one year, or construction is not completed within three years of the approval date. Upon receipt of a written request for an extension of time, the Department may grant an extension of time; an extension of time must be in writing. R18-5-505(E), Ariz. Admin. Code.
4. Operation of a newly constructed facility shall not begin until a Certificate of Approval of Construction has been issued by the Department. R18-5-507(A), Ariz. Admin. Code.

Reviewed by: FMS

By: Janak K. Desai 7/27/2011
Janak K. Desai, P.E. Unit Manager Date
Engineering Review Section
Water Quality Division

cc: File No: 20110161
Regional Office: Central
Owner: Granite Mountain Water Company
County Health Department: Yavapai
Engineer: Glen Vortherms
Planning and Zoning/Az Corp. Commission
Engineering Review Database - Etr021

**APPROVAL TO CONSTRUCT
STORAGE TANK & YARD PIPING
ADEQ FILE No. 20110161
PAGE 2 OF 3: PROVISIONS CONTINUED**

5. Approval of Construction (AOC) will not be issued until data is obtained and verified for Pressure and Leakage Tests of waterlines and Disinfection Sampling of constructed well, storage and hydropneumatic tanks, booster pumps and potable water lines. **Engineering Bulletin No. 10, Chapter 2.E.20, Disinfection Requirements**; requires that... "Every new, modified or reconditioned groundwater source shall be disinfected after placement of final pump equipment". Information on disinfection procedures can be obtained from **"Engineering Bulletin No. 8, "Disinfection of Water Systems"**.

It is recommended that the Engineer's Certificate of Completion (ECC) Data Required Sheet be completed in full, showing actual pressures and sampling data. Data required with ECC sheet can be found under heading - Safe Drinking Water and subheading - Technical Engineering/Plan Reviews

<http://www.azdeq.gov/function/forms/appswater.html#sdw>.

6. The Arizona Department of Environmental Quality's review of this application was subject to the requirements of the licensing time frames ("LTF") statute under Arizona Revised Statutes ("A.R.S.") § 41-1072 through § 41-1079 and the LTF rules under Arizona Administrative Code ("A.A.C.") R18-1-501 through R18-1-525. This Notice is being issued within the overall time frame for your application.

ADEQ hereby approves your application for Approve to Construct Drinking Water Facilities under A.R.S. § 49-351. Your copy is enclosed.

This decision is an appealable agency action under A.R.S. § 41-1092. You have a right to request a hearing and file an appeal under A.R.S. § 41-1092.03(B). You must file a written Request for Hearing or Notice of Appeal within **30 days** of your receipt of this Notice. A Request for Hearing or Notice of Appeal is filed when it is received by ADEQ's Hearing Administrator as follows:

Office of Administrative Counsel
Arizona Department of Environmental Quality
1110 W. Washington Street
Phoenix, AZ 85007

The Request for Hearing or Notice of Appeal shall identify the party, the party's address, the agency and the action being appealed and shall contain a concise statement of the reasons for the appeal.

**APPROVAL TO CONSTRUCT
STORAGE TANK & YARD PIPING
ADEQ FILE No. 20110161
PAGE 3 OF 3: PROVISIONS CONTINUED**

Upon proper filing of a Request for Hearing or Notice of Appeal, ADEQ will serve a Notice of Hearing on all parties to the appeal. If you file a timely Request for Hearing or Notice of Appeal you have a right to request an informal settlement conference with ADEQ under A.R.S. § 41-1092.06. This request must be made in writing no later than **20 days** before a scheduled hearing and must be filed with the Hearing Administrator at the above address.

Please contact Frank M. Smaila at (602) 771-4237 or fms@azdeq.gov if you have questions regarding this Notice or the Certificate of Approved to Construct.